# REVIEW – 3 :

# CONTACT BOOK

# #include<stdio.h>

# #include<string.h>

# struct dict{

# char name[50];

# long int num;

# char mail[100];

# }contact[100];

# int main()

# {

# int entries=0, i;

# int choice,loop=1;

# printf("================WELCOME TO CONTACT BOOK============\n");

# while(loop)

# {

# printf("1=>DISPLAY CONTACTS\n2=>ADD CONTACT\n3=>DELETE CONTACT\n4=>FIND CONTACT\n5=>EDIT CONTACT");

# printf("\nENTER YOUR CHOICE : ");

# scanf("%d",&choice);

# switch(choice){

# case 1:

# {

# if(entries == 0){

# printf("\nNo contact found");

# break;

# }

# printf("\nNAME\tNUMBER\tEMAIL :\n");

# for(i=0;i<entries;i++)

# {

# printf("\n%s\t%ld\t%s",contact[i].name,contact[i].num,contact[i].mail);

# }

# break;

# }

# case 2:

# {

# char name[50],mail[100];

# long int num=0;

# int name\_len=0,mail\_len=0;

# long int min=999999999, max=10000000000;

# printf("\nENTER DETAILS OF THE PERSON : ");

# while(!name\_len || name\_len>50){

# printf("\nEnter name : ");

# scanf("%s",name);

# name\_len=strlen(name);

# }

# while(num<=min || num>=max){

# printf("\nEnter number : ");

# scanf("%ld",&num);

# }

# while(!mail\_len || mail\_len>100){

# printf("\nEnter mail : ");

# scanf("%s",mail);

# mail\_len=strlen(mail);

# }

# printf("\nSaving contact");

# strcpy(contact[entries].name,name);

# contact[entries].num=num;

# strcpy(contact[entries].mail,mail);

# entries++;

# printf("\nAFTER ADDING\n");

# printf("NAME\tNUMBER\tEMAIL :");

# for(i=0;i<entries;i++)

# {

# printf("\n%s\t%ld\t%s",contact[i].name,contact[i].num,contact[i].mail);

# }

# break;

# }

# case 3:

# {

# if(entries == 0){

# printf("\nNo contact found");

# break;

# }

# printf("\nENTER THE NAME TO REMOVE CONTACT :\n ");

# char name[100];

# int found=0;

# scanf("%s",name);

# for(i=0;i<entries;i++)

# {

# if(!strcmp(name, contact[i].name))

# {

# found++;

# break;

# }

# }

# for(;i<entries;i++)

# {

# contact[i] = contact[i+1];

# }

# if(found){

# entries--;

# }

# for(i=0;i<entries;i++)

# {

# printf("\n%s\t%ld\t%s",contact[i].name,contact[i].num,contact[i].mail);

# }

# break;

# }

# case 4:

# {

# char name[100];

# long int num;

# int found=0,search=0;

# if(entries == 0){

# printf("\nNo contact found");

# break;

# }

# printf("\n Search by 1.Name 2.Contact");

# scanf("%d",&search);

# switch(search){

# case 1:{

# printf("\nENTER NAME OF THE PERSON : ");

# scanf("%s",name);

# for(i=0;i<entries;i++){

# if(!strcmp(name,contact[i].name)){

# found++;

# printf("\nName : %s",contact[i].name);

# printf("\nNumber : %ld",contact[i].num);

# printf("\nMail : %s",contact[i].mail);

# }

# }

# break;

# }

# case 2:{

# printf("\n Enter phone number :");

# scanf("%ld",&num);

# for(i=0;i<entries;i++){

# if(num == contact[i].num){

# found++;

# printf("\nName : %s",contact[i].name);

# printf("\nNumber : %ld",contact[i].num);

# printf("\nMail : %s",contact[i].mail);

# }

# }

# break;

# }

# default:

# printf("\nEnter valid option");

# break;

# }

# if(!found){

# printf("\n Contact detail not found");

# }

# break;

# }

# case 5:{

# char name[50],mail[100],edit\_name[50];

# int found=0,edit=0;

# int name\_len=0,mail\_len=0;

# long int num=0;

# long int min=999999999, max=10000000000;

# if(entries == 0){

# printf("\nNo contact found");

# break;

# }

# printf("\nENTER NAME OF THE PERSON : ");

# scanf("%s",edit\_name);

# for(i=0;i<entries;i++){

# if(!strcmp(edit\_name,contact[i].name)){

# found++;

# printf("\n Person's current detail :");

# printf("\nName : %s",contact[i].name);

# printf("\nNumber : %ld",contact[i].num);

# printf("\nMail : %s",contact[i].mail);

# printf("\n Do you want to edit phone number?(1/0)");

# scanf("%d",&edit);

# if(edit){

# while(!name\_len || name\_len>50){

# printf("\nEnter name : ");

# scanf("%s",name);

# name\_len=strlen(name);

# }

# while(num<=min || num>=max){

# printf("\nEnter number : ");

# scanf("%ld",&num);

# }

# while(!mail\_len || mail\_len>100){

# printf("\nEnter mail : ");

# scanf("%s",mail);

# mail\_len=strlen(mail);

# }

# printf("\nSaving contact");

# strcpy(contact[i].name,name);

# contact[i].num=num;

# strcpy(contact[i].mail,mail);

# printf("contact saved");

# printf("\nName : %s",contact[i].name);

# printf("\nNumber : %ld",contact[i].num);

# printf("\nMail : %s",contact[i].mail);

# }

# }

# }

# if(!found){

# printf("\n Contact detail not found");

# }

# break;

# }

# default:

# printf("Enter valid option\n");

# break;

# }

# printf("\nPRESS 1 TO CONTINUE 0 TO EXIT\n");

# scanf("%d",&loop);

# }

# }

# OUTPUT:

# F:\1 2.jpegF:\1 1.jpeg







